FIGURE 1

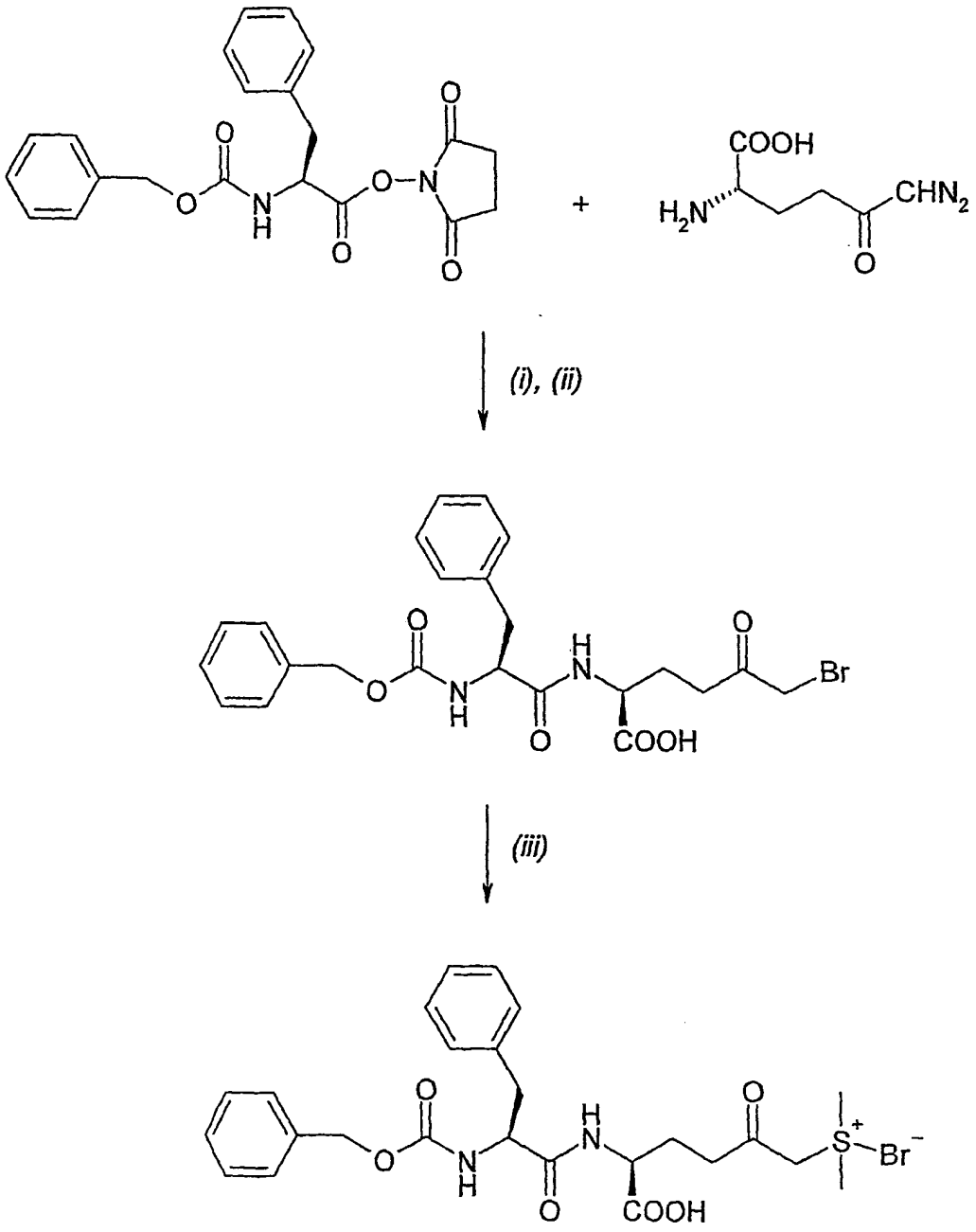


FIGURE 2

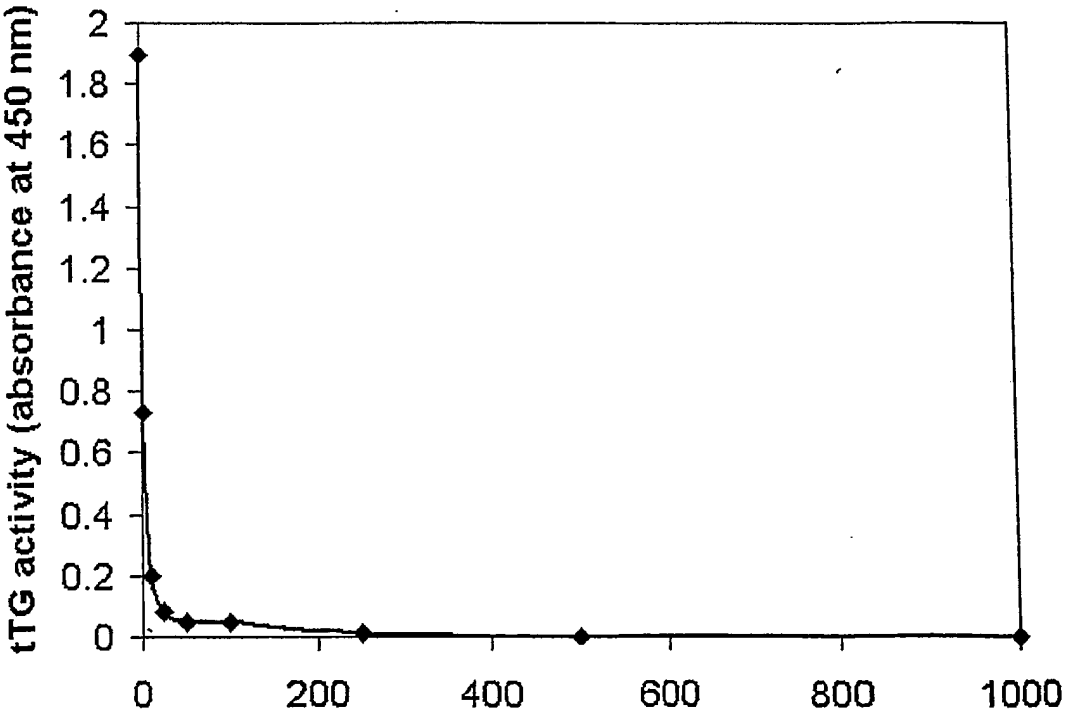

tTG activity (absorbance at 450 nm)
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000

FIGURE 3

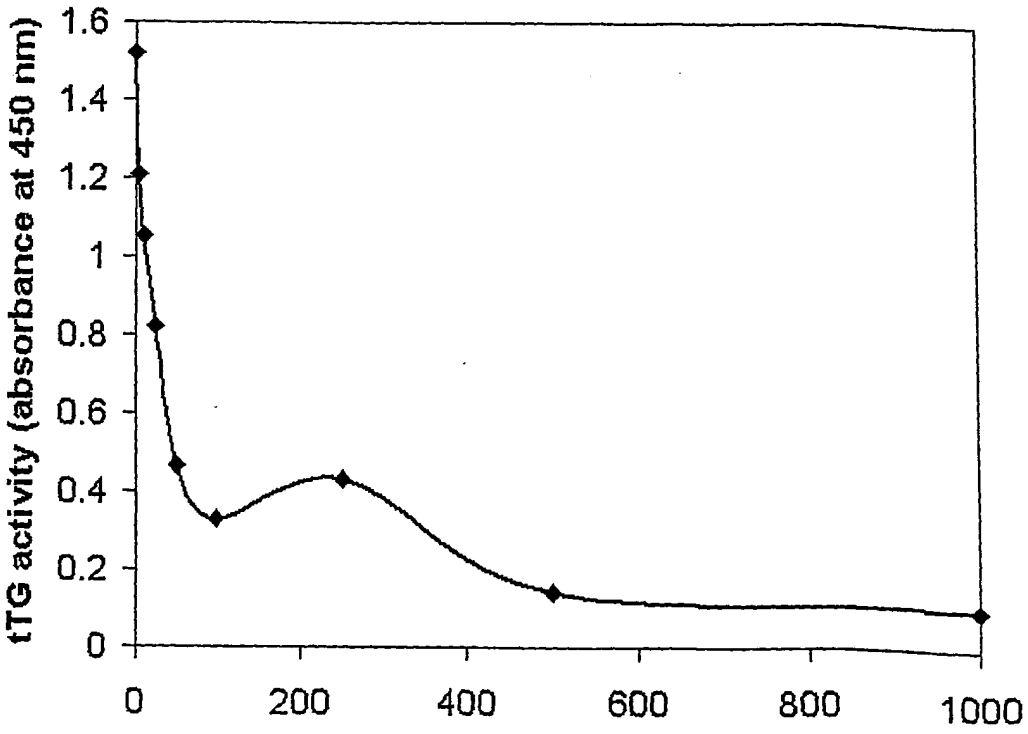

tTG activity (absorbance at 450 nm)
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000

FIGURE 4

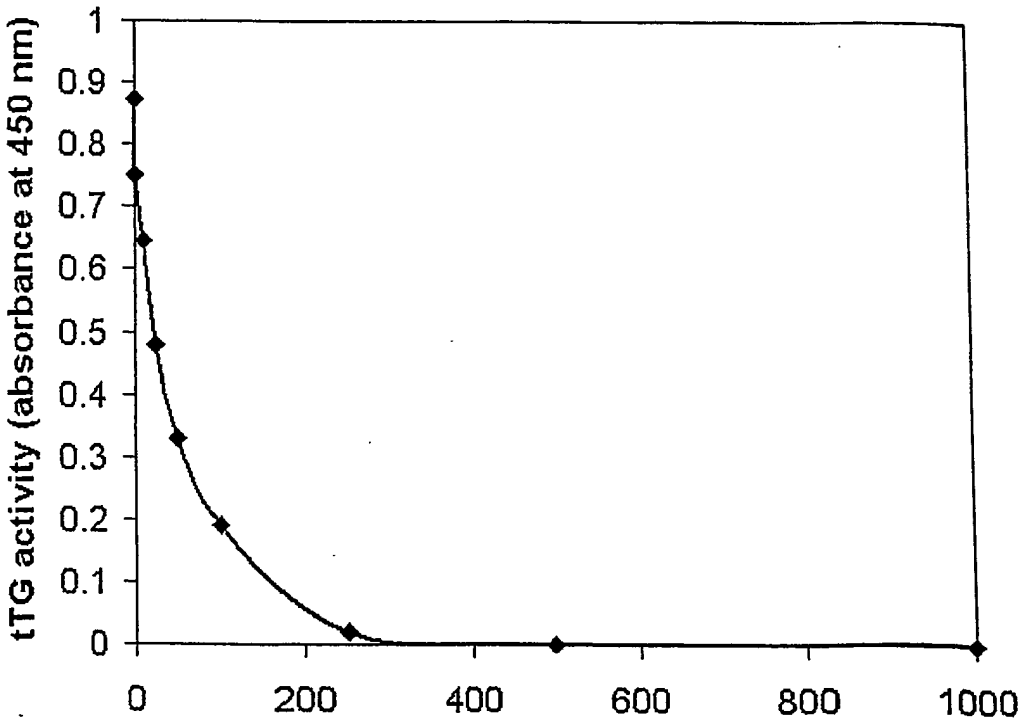

tTG activity (absorbance at 450 nm)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
200
400
600
800
1000

FIGURE 5

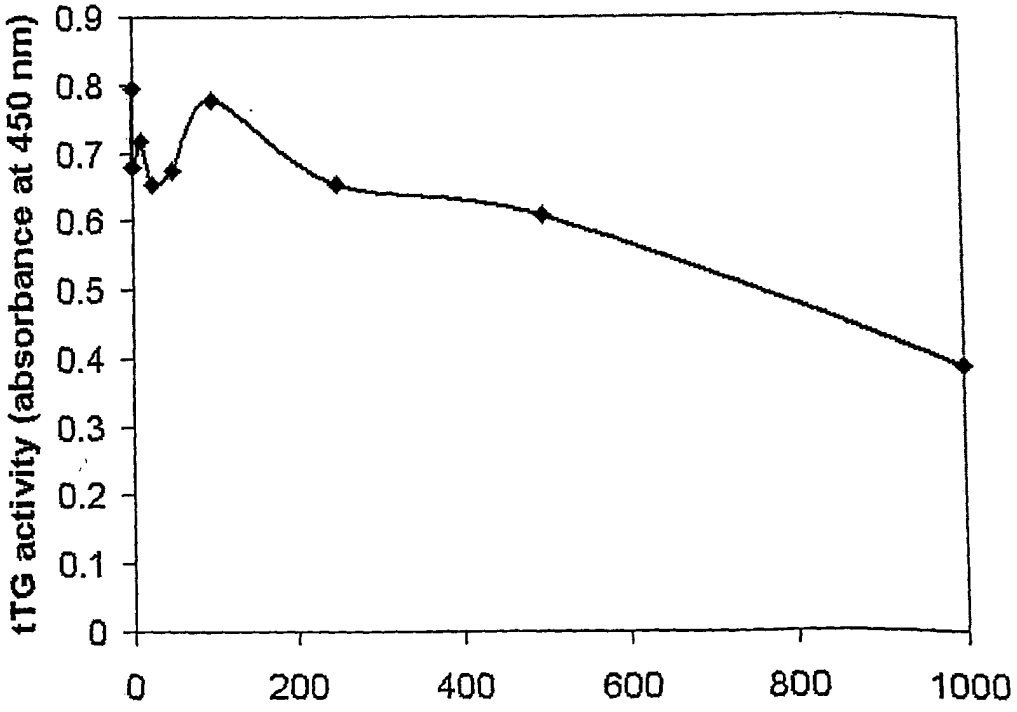

tTG activity (absorbance at 450 nm)
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
200
400
600
800
1000

FIGURE 6

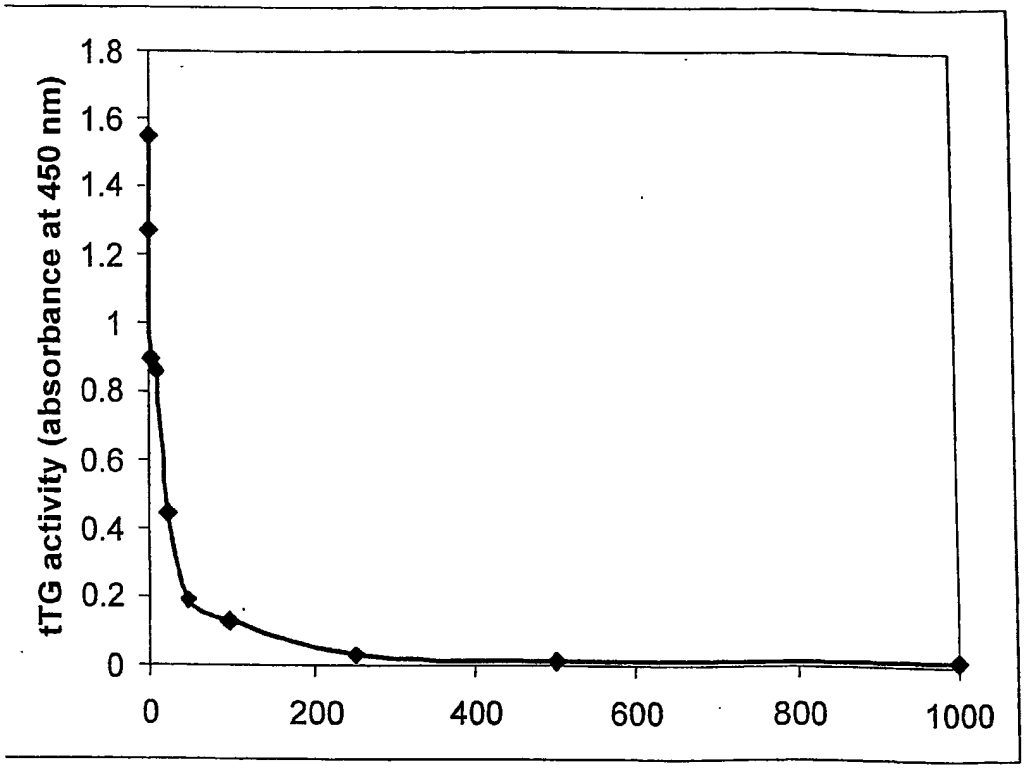

tTG activity (absorbance at 450 nm)
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000

FIGURE 7

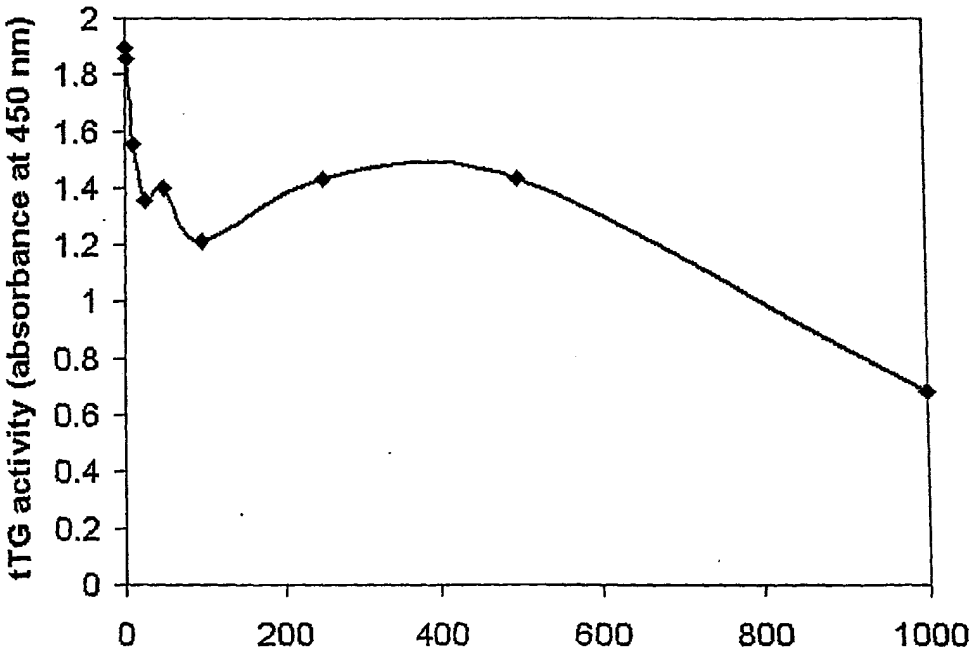

tTG activity (absorbance at 450 nm)
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000

FIGURE 8

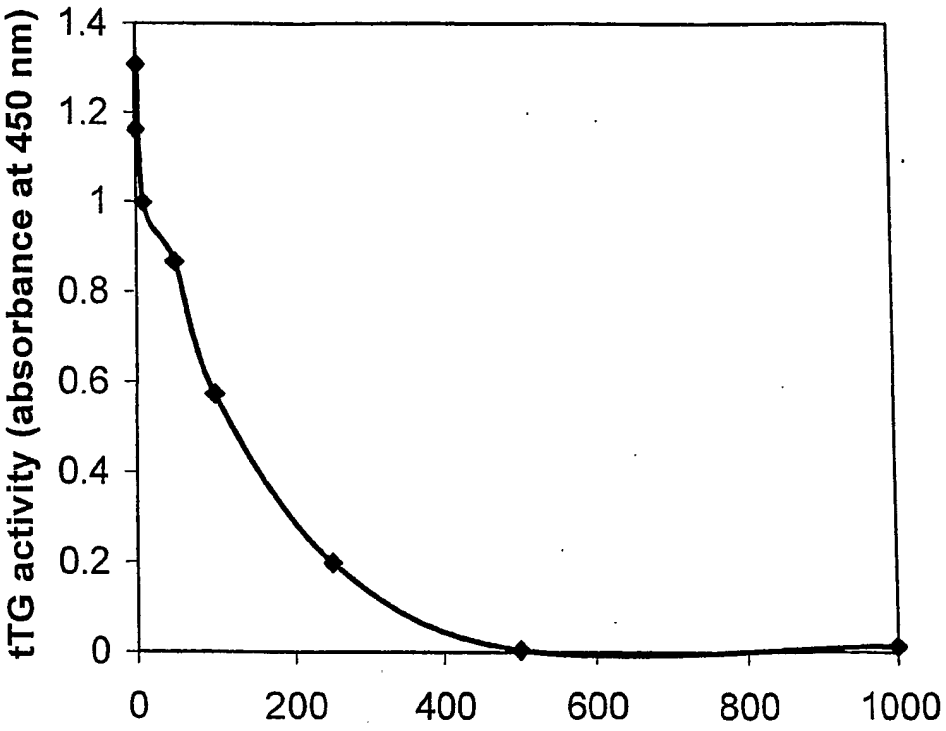

tTG activity (absorbance at 450 nm)
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000

FIGURE 9

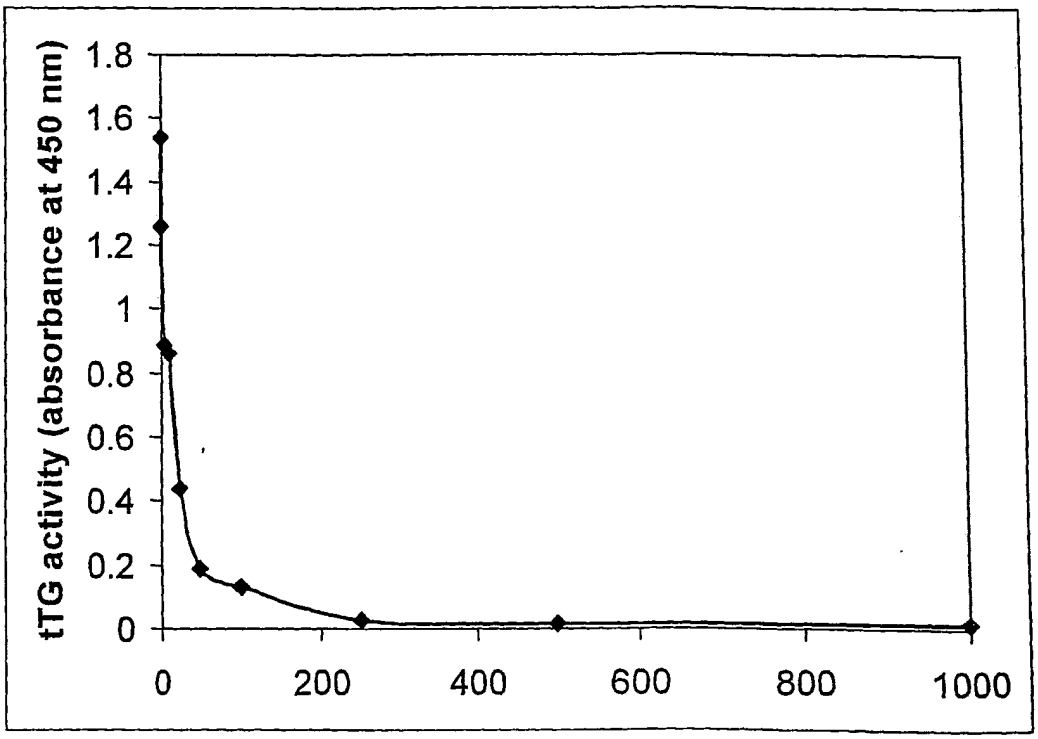

tTG activity (absorbance at 450 nm)
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000

FIGURE 10

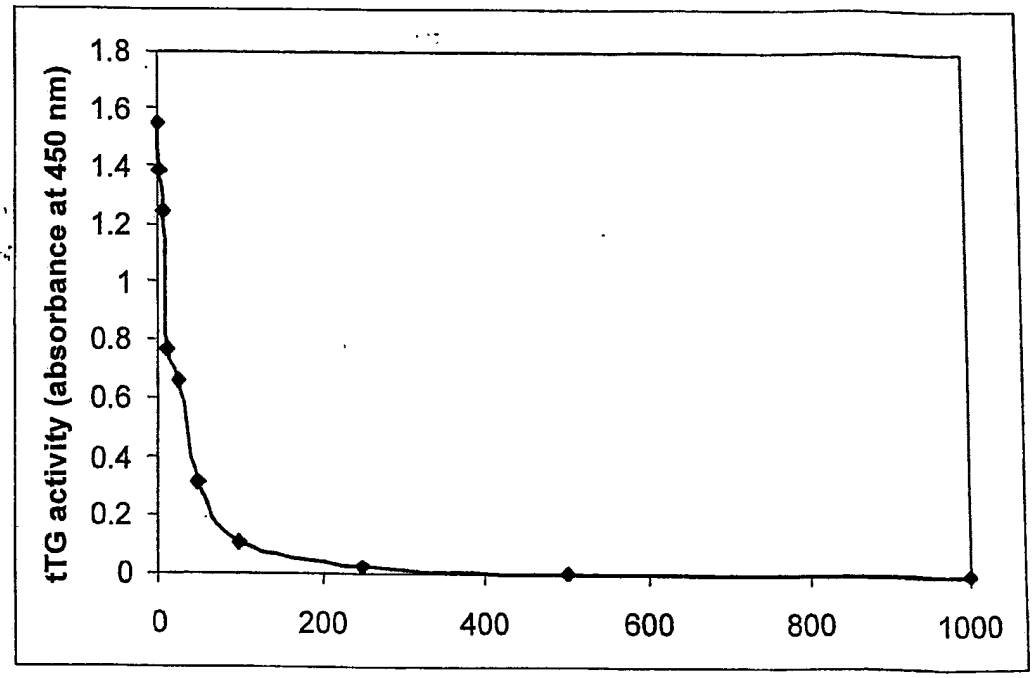

tTG activity (absorbance at 450 nm)
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000

FIGURE 11

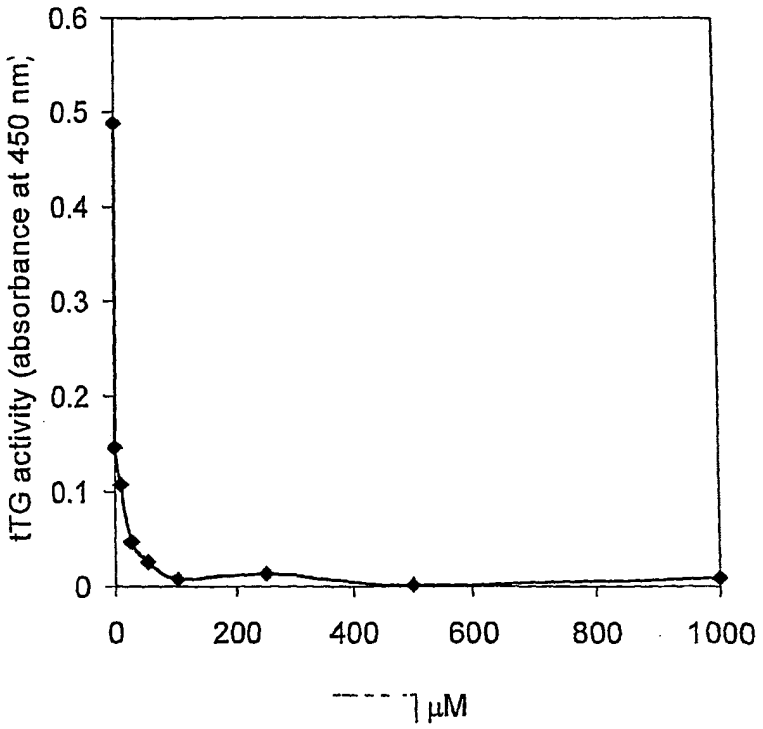

0.6
0.5
0.4
0.3
0.2
0.1
0
tTG activity (absorbance at 450 nm)
0
200
400
600
800
1000
µM

FIGURE 12

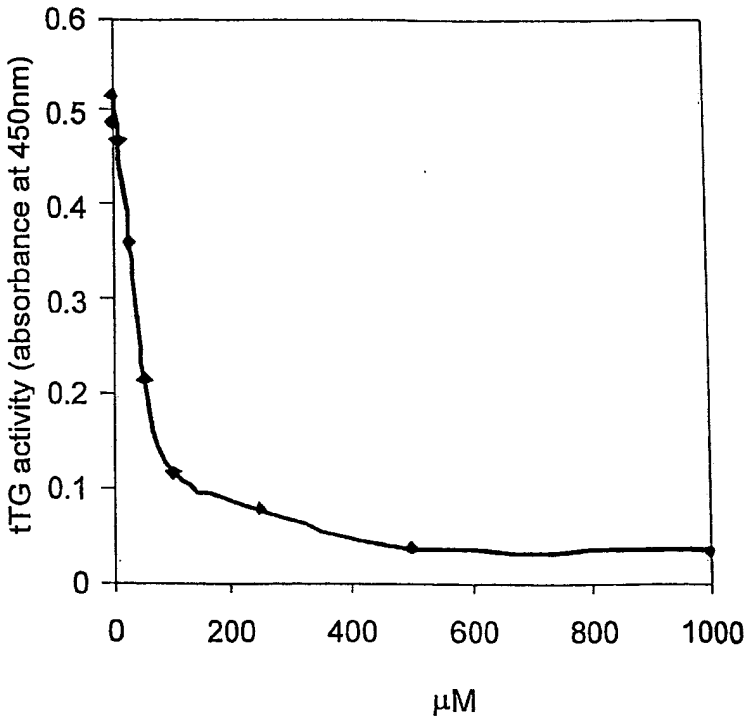

0.6
0.5
0.4
0.3
0.2
0.1
0
tTG activity (absorbance at 450nm)
0
200
400
600
800
1000
µM

FIGURE 13

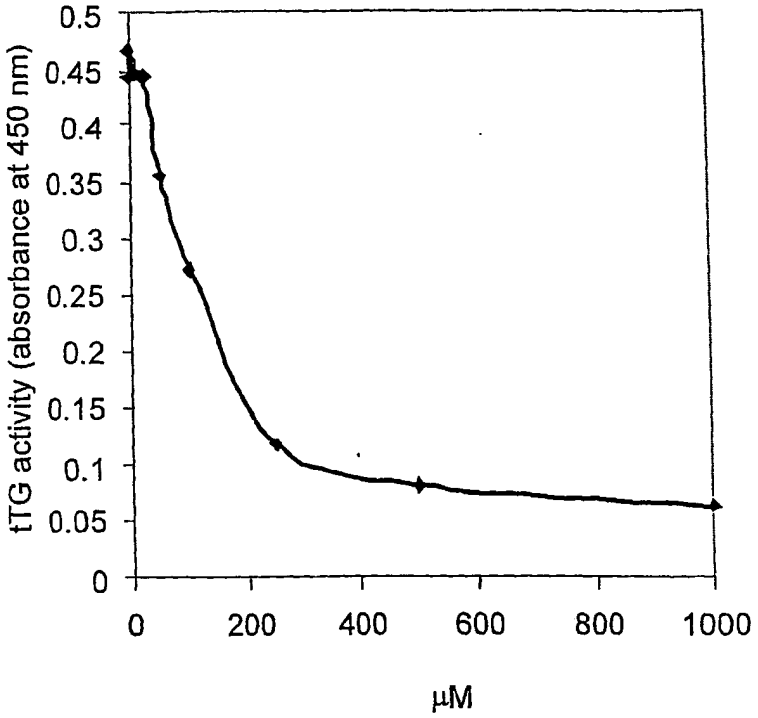

tTG activity (absorbance at 450 nm)
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
200
400
600
800
1000
µM

FIGURE 14

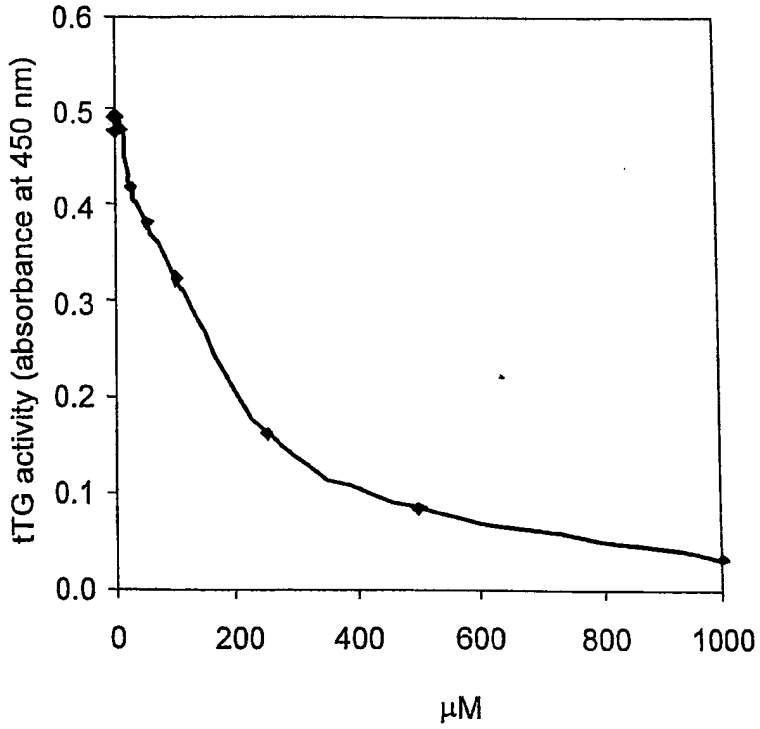

0.6
0.5
0.4
0.3
0.2
0.1
0.0
tTG activity (absorbance at 450 nm)
0
200
400
600
800
1000
µM

FIGURE 15

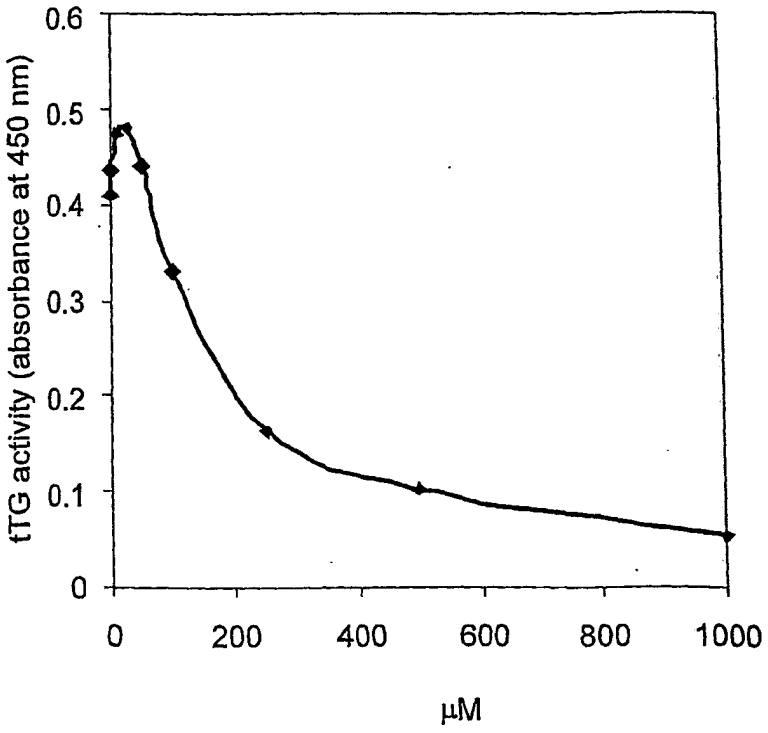

0.6
0.5
0.4
0.3
0.2
0.1
0
tTG activity (absorbance at 450 nm)
0
200
400
600
800
1000
µM

FIGURE 16

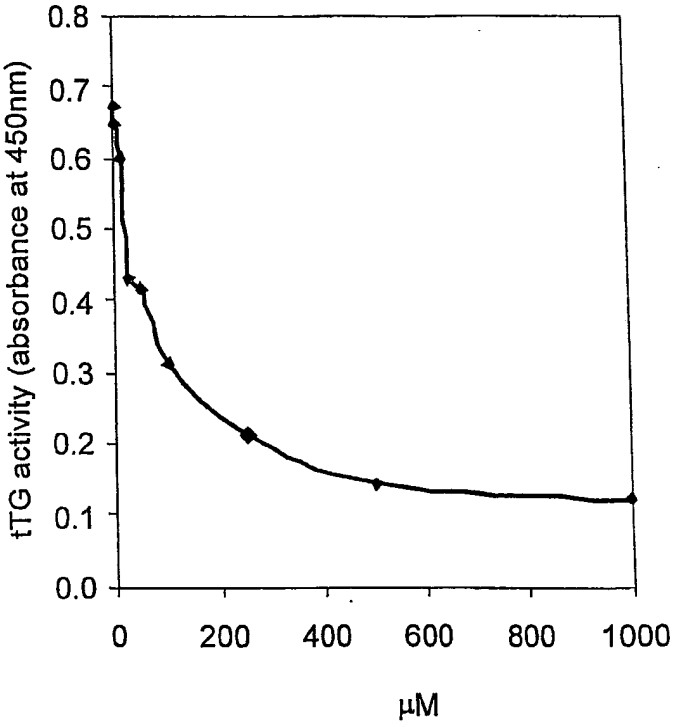

0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
tTG activity (absorbance at 450nm)
0
200
400
600
800
1000
µM

FIGURE 17

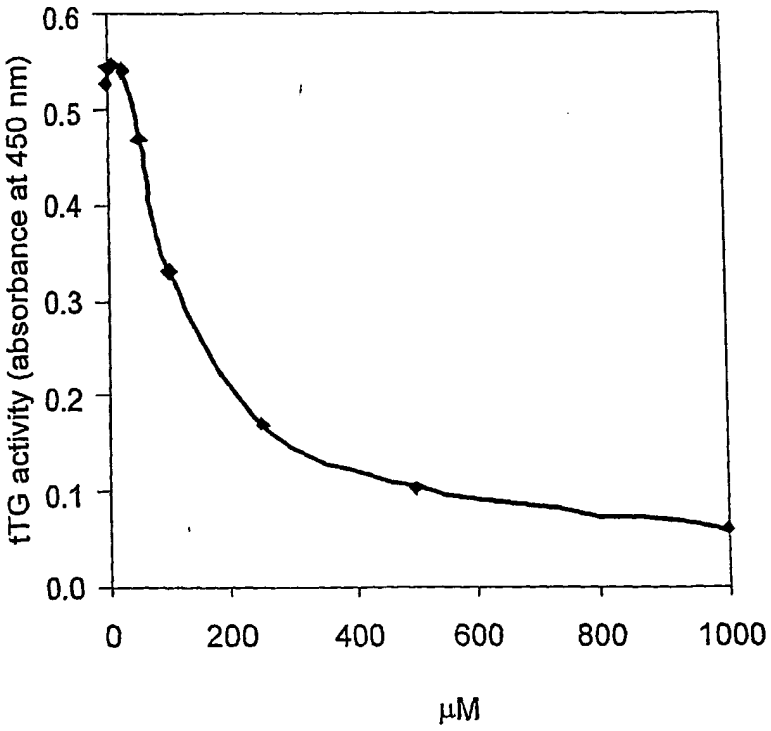

0.6
0.5
0.4
0.3
0.2
0.1
0.0
tTG activity (absorbance at 450 nm)
0
200
400
600
800
1000
µM

FIGURE 18

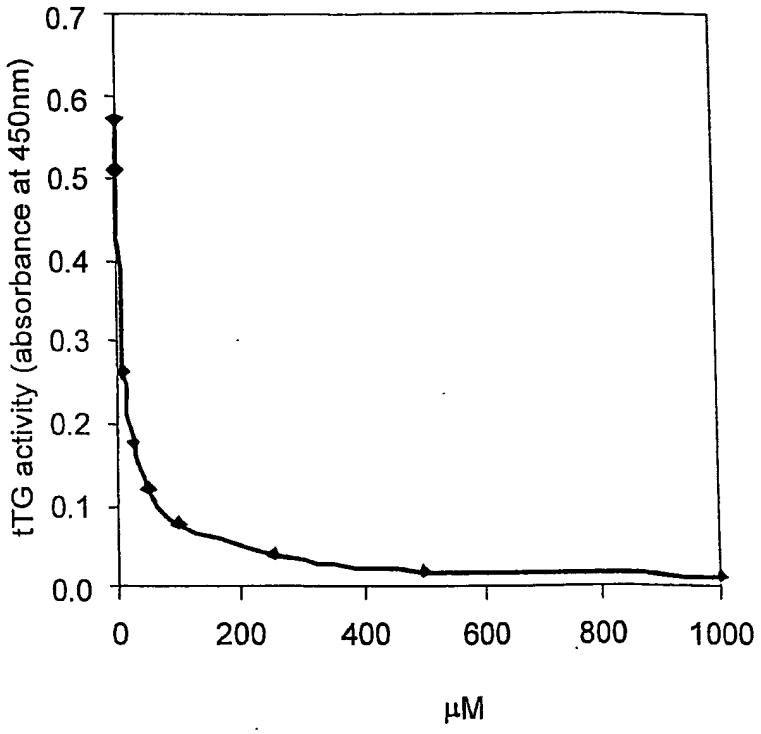

0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
tTG activity (absorbance at 450nm)
0
200
400
600
800
1000
µM

FIGURE 19

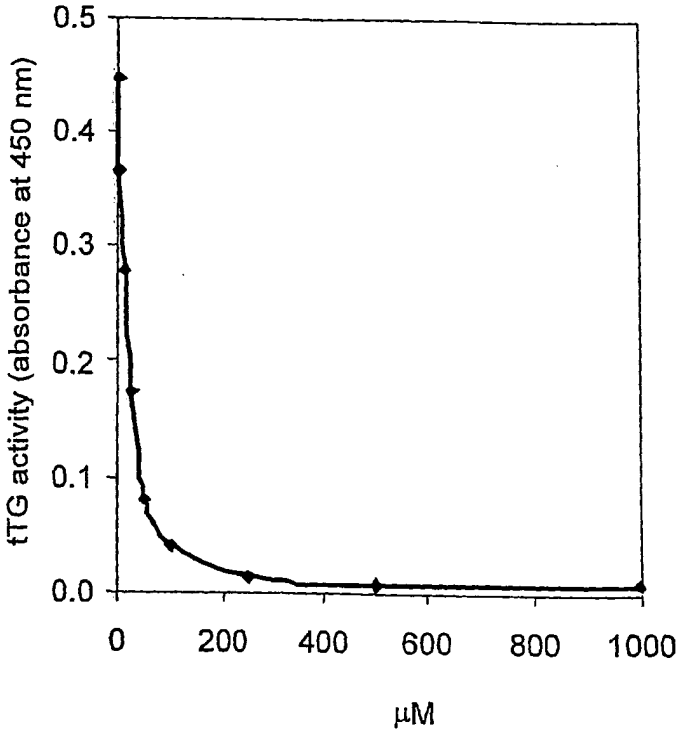

0.5
0.4
0.3
0.2
0.1
0.0
tTG activity (absorbance at 450 nm)
0
200
400
600
800
1000
µM

FIGURE 20

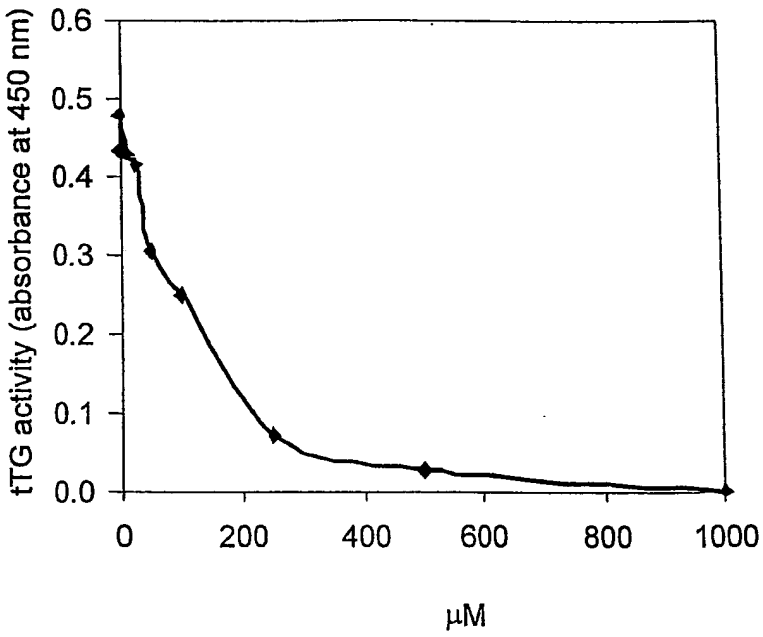

tTG activity (absorbance at 450 nm)
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0
200
400
600
800
1000
µM

FIGURE 21

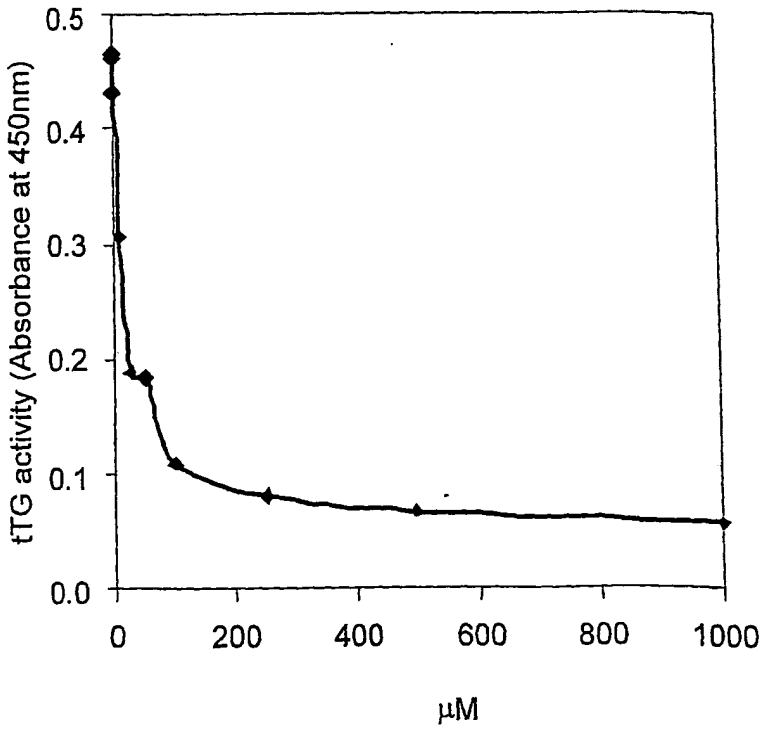
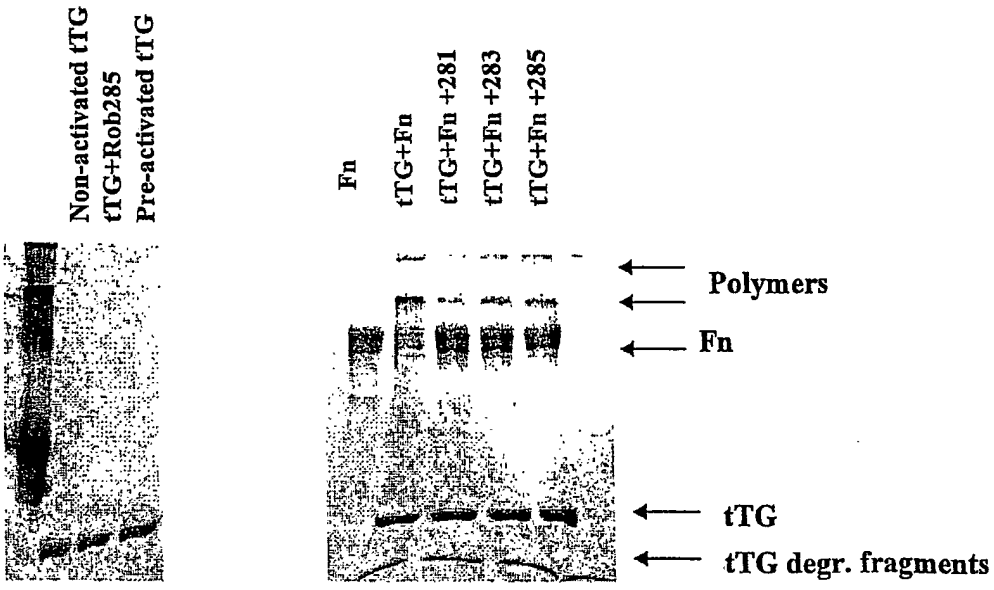
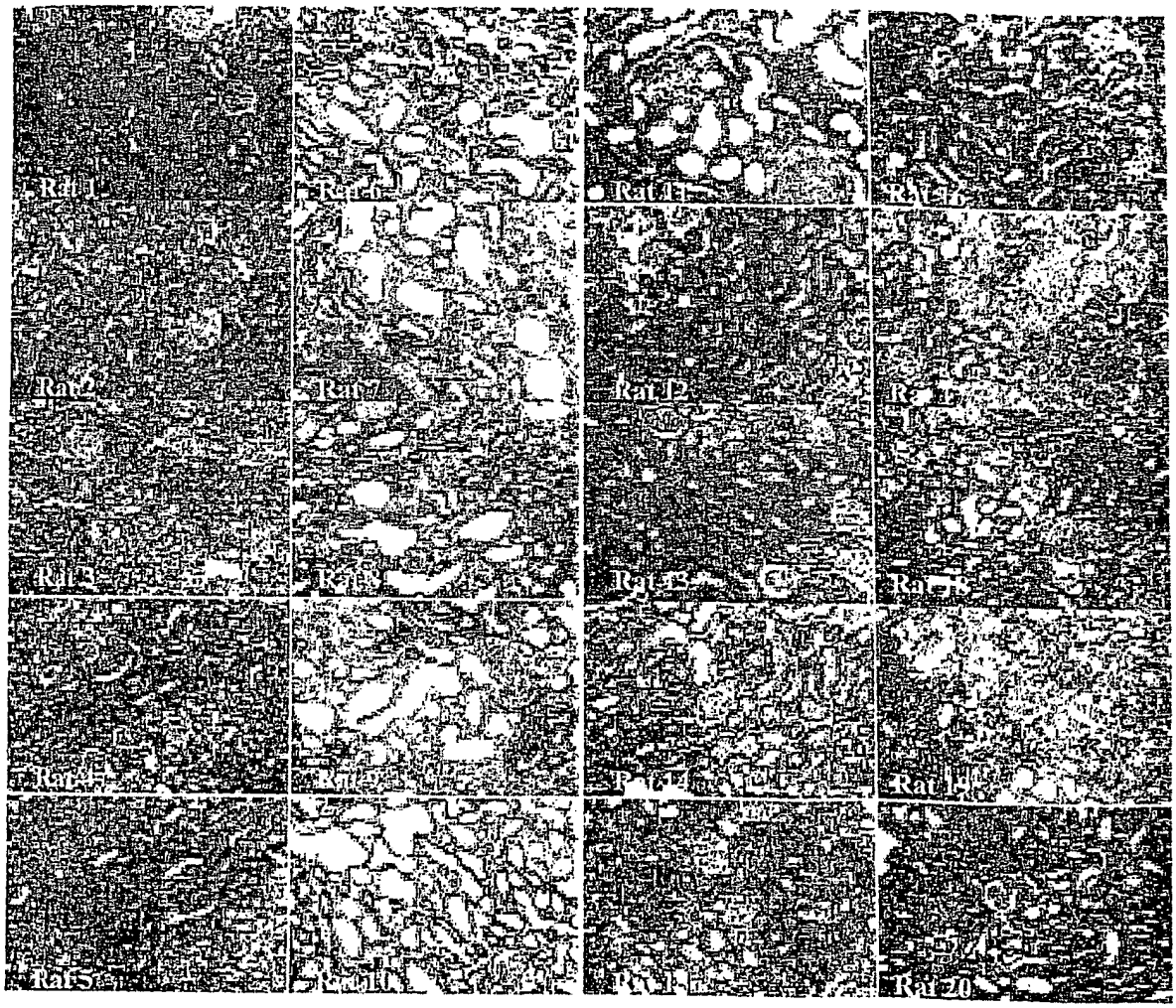

0.5
0.4
0.3
0.2
0.1
0.0
tTG activity (Absorbance at 450nm)
0
200
400
600
800
1000
µM

FIGURE 22



10ug of protein/lane

FIGURE 23(A)



SNc SNx SNx + 281 SNx + 283

FIGURE 23 (B)

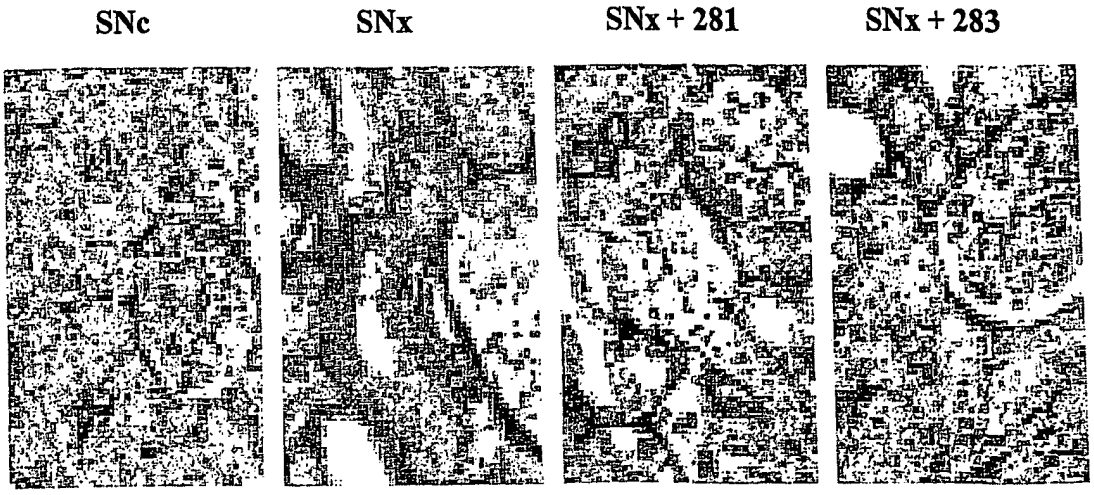


FIGURE 24(A)

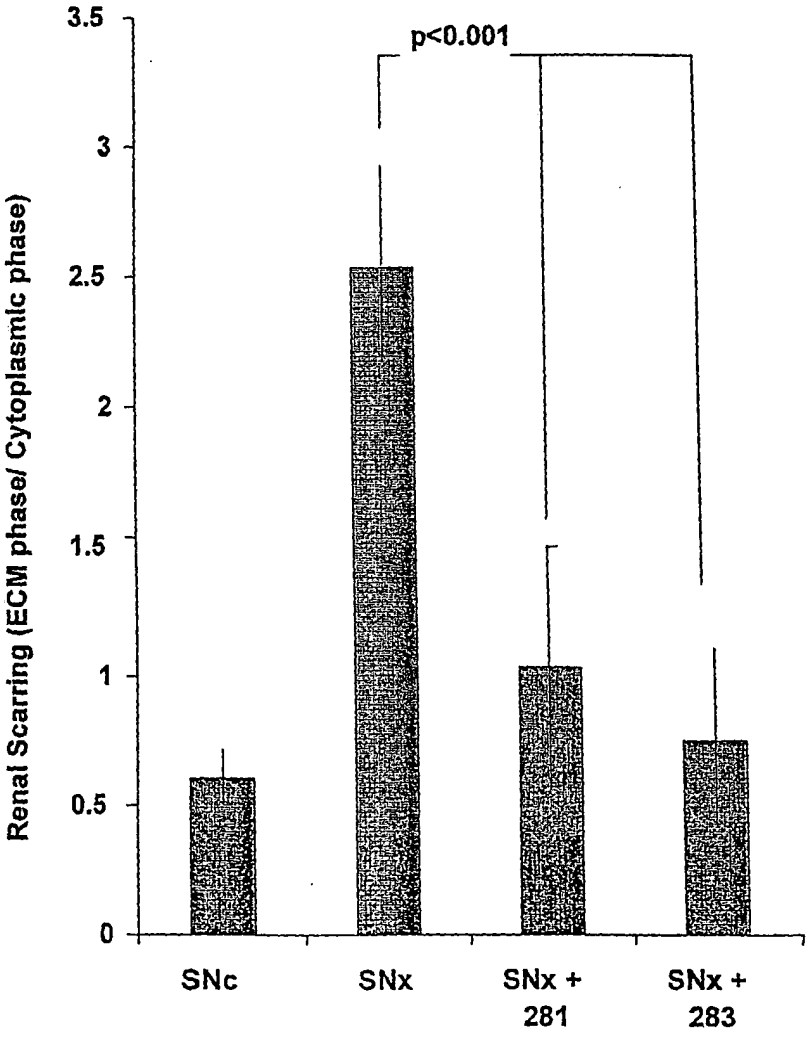

p<0.001
Renal Scarring (ECM phase/ Cytoplasmic phase)
3.5
3
2.5
2
1.5
1
0.5
0
SNc
SNx
SNx + 281
SNx + 283

FIGURE 24(B)

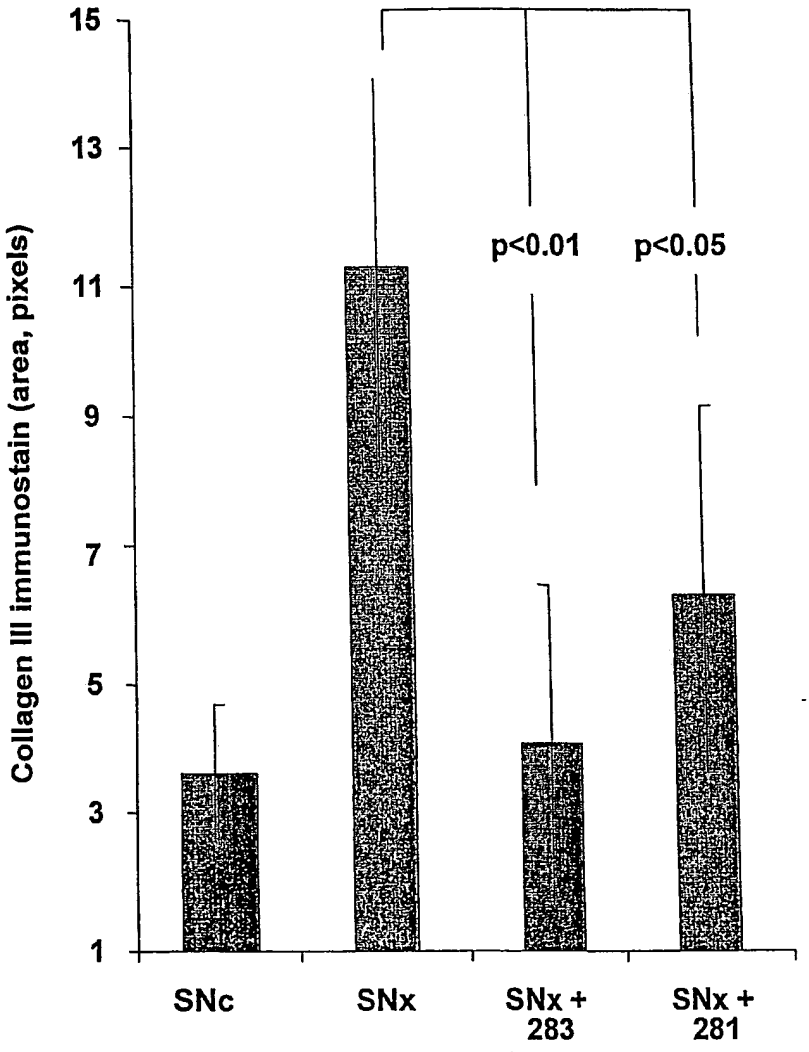

Collagen III immunostain (area, pixels)
15
13
11
9
7
5
3
1
p<0.01
p<0.05
SNc
SNx
SNx + 283
SNx + 281

FIGURE 25(A)

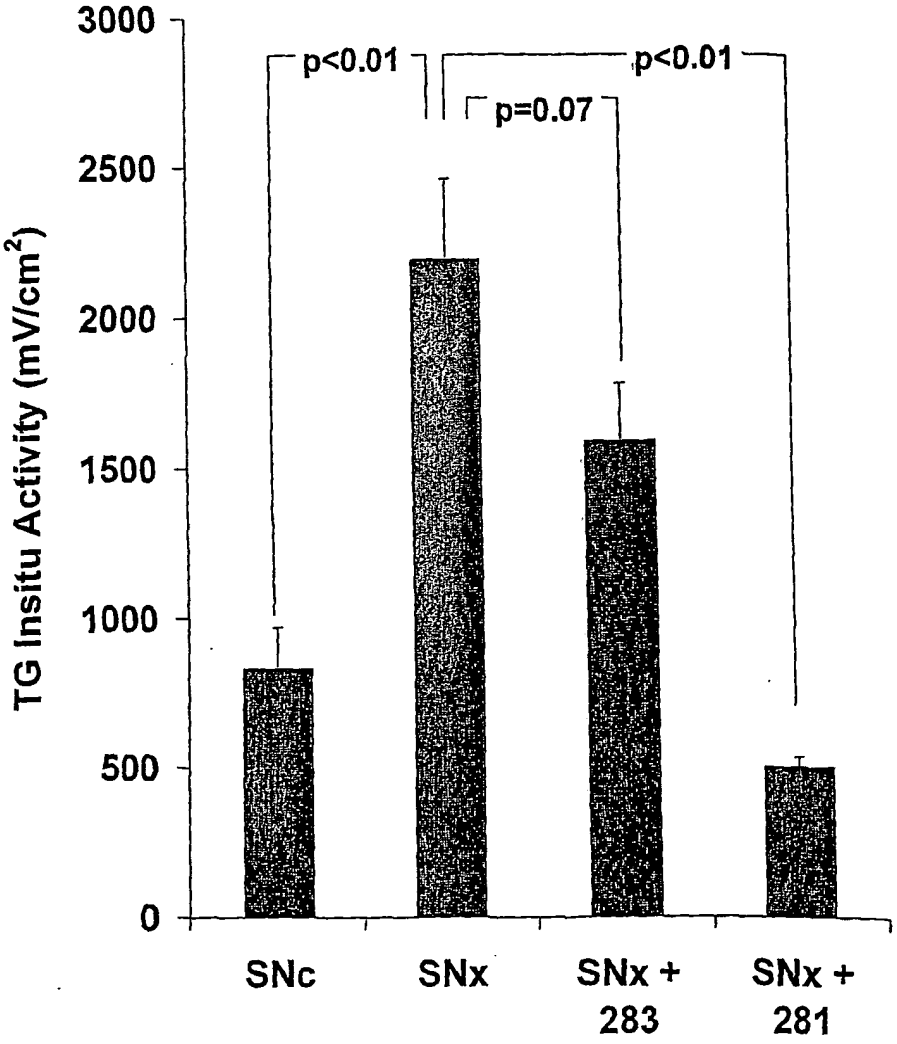

3000
2500
2000
1500
1000
500
0
TG Insitu Activity (mV/cm²)
p<0.01
p=0.07
p<0.01
SNc
SNx
SNx + 283
SNx + 281

FIGURE 25(B)

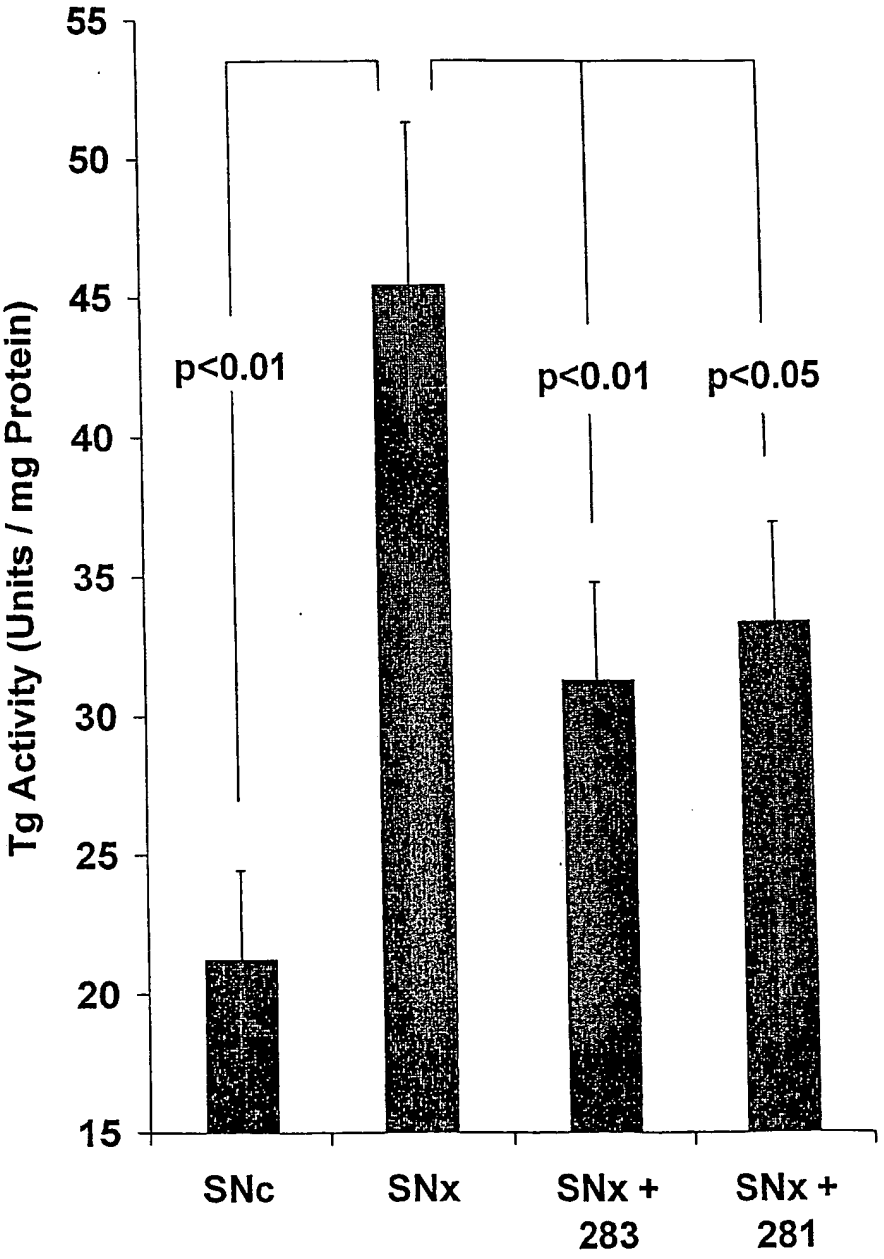

55
50
45
40
35
30
25
20
15
Tg Activity (Units / mg Protein)
p<0.01
p<0.01
p<0.05
SNc
SNx
SNx + 283
SNx + 281

FIGURE 26(A)

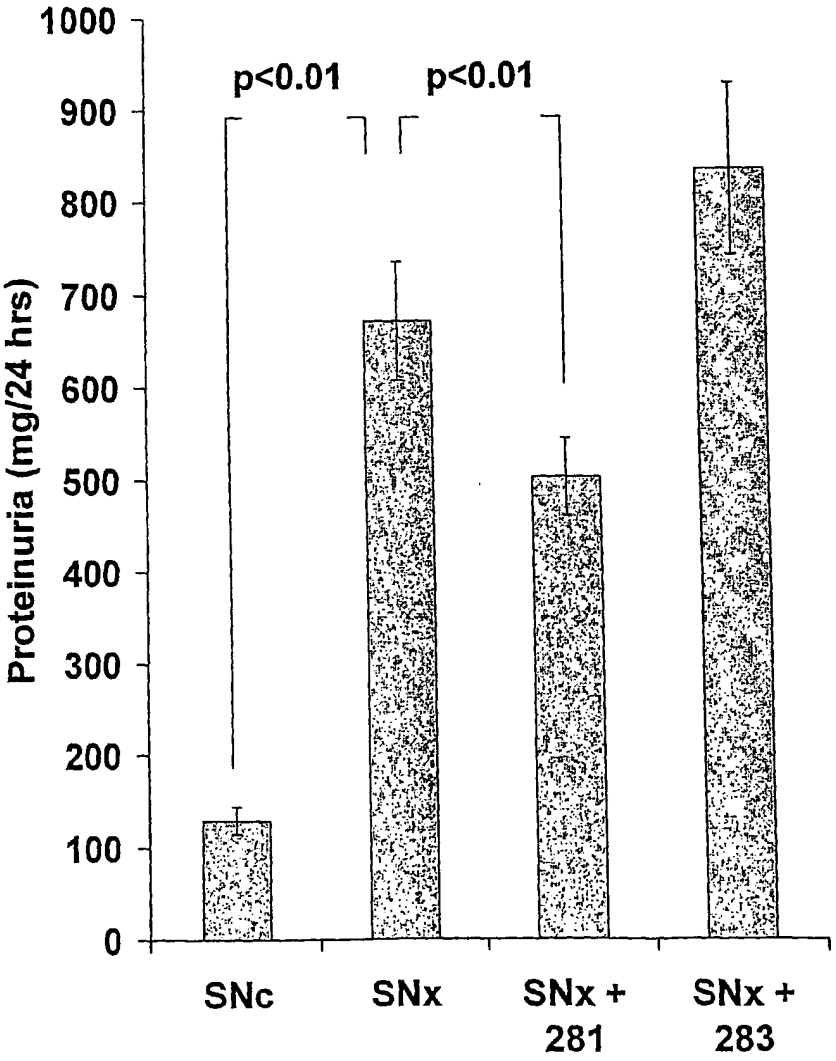
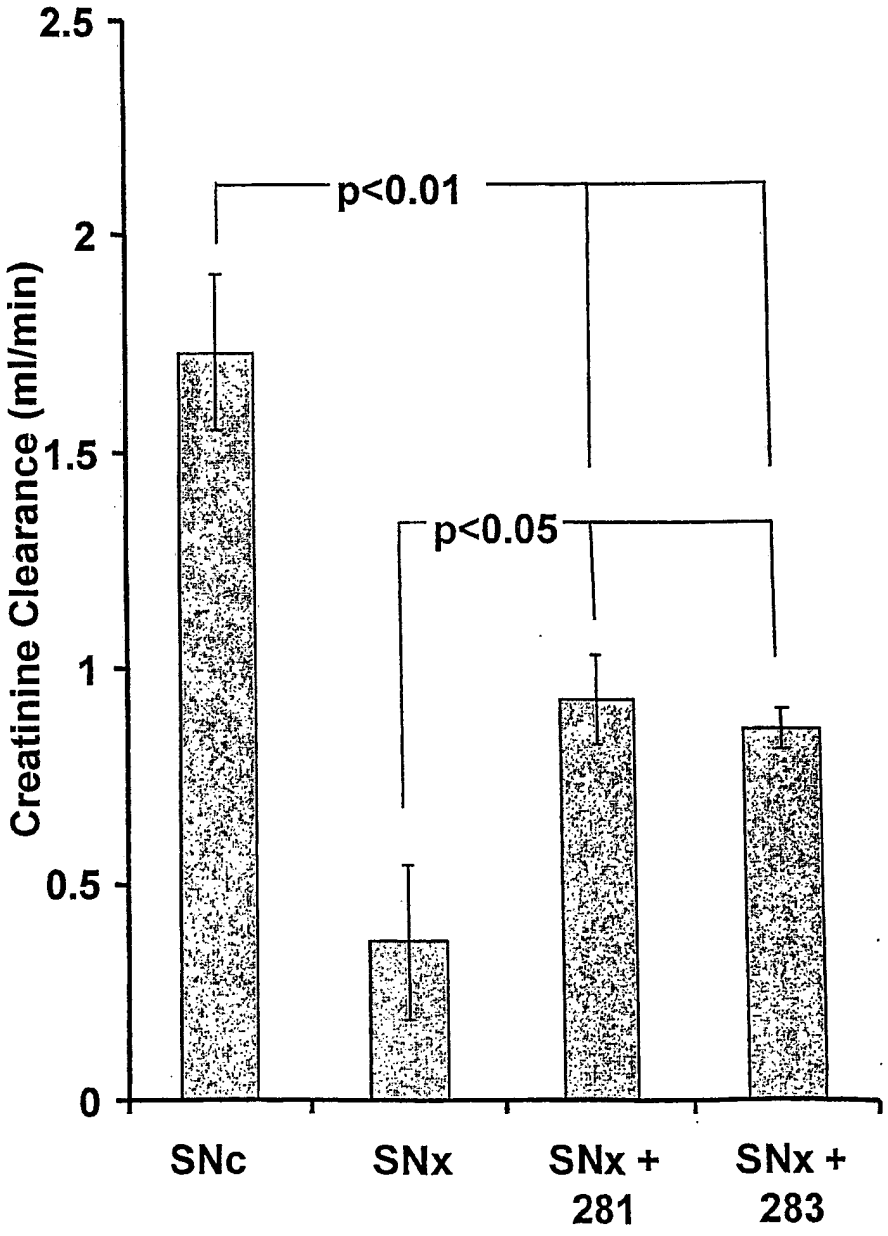

1000
900
800
700
600
500
400
300
200
100
0
Proteinuria (mg/24 hrs)
p<0.01
p<0.01
SNc
SNx
SNx + 281
SNx + 283

FIGURE 26(B)


2.5
2
1.5
1
0.5
0
Creatinine Clearance (ml/min)
p<0.01
p<0.05
SNc
SNx
SNx + 281
SNx + 283